

ABSTRACT

A structure monitor system has a measuring unit (3) for measuring distortions of the structure (S) at respective points on a boundary by using an optical fiber sensor (2) laid on the boundary of the structure, numerical analysis unit (5) for calculating a distortion at a specified point on the structure (S) by a numerical analysis method with distortions measured by the measuring unit as a boundary condition, and a display unit (6) for displaying information on an analysis distortion by the numerical analysis unit (5) in a association with a position on the structure (S).